Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/29/2017 09:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126201	0	1.35	126107	1.29
Blue	F	SSC	125000	124049	-1	2.56	124512	2.40
Blue	E	FITC	23615	22857	-4	2.55	1017	10.35
Blue	D	PE	26739	26291	-2	1.94	947	9.97
Blue	B	PerCP-Cy5-5	48339	46919	-3	3.30	1348	16.95
Blue	A	PE-Cy7	45021	44069	-3	5.11	680	36.66
Red	C	APC	53064	52055	-2	2.79	3015	9.61
Red	A	APC-Cy7	57175	56751	-1	2.95	1178	11.34
Violet	B	V450	14728	14048	-5	5.10	673	9.35
Violet	A	V500	58621	56433	-4	4.92	2492	7.12

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19996	2.60	610	-4	N/A	N/A	Pass
Blue	F	SSC	61402	1.51	546	0	N/A	N/A	Pass
Blue	E	FITC	115	37.93	546	-2	0.0202	93	Pass
Blue	D	PE	206	29.84	536	0	0.1552	251	Pass
Blue	B	PerCP-Cy5-5	211	44.10	634	-1	0.0099	56	Pass
Blue	A	PE-Cy7	72	123.55	693	0	0.0111	13	Pass
Red	C	APC	352	27.58	596	-1	0.0194	29	Pass
Red	A	APC-Cy7	129	40.07	581	1	0.0054	1473	Pass
Violet	B	V450	82	41.86	462	-8	0.0509	2093	Pass
Violet	A	V500	183	21.85	489	-8	0.0147	203	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.39	-31.13	0.96
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.34
Red	18.23	14.40 - 21.60	N/A	N/A	30.94	31.37	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 15000

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments